I^st And Final Bill

Work code - 006-19-000006

Est cost Rs - 20.00 Lakhs

M. A. R. 57 (Rule 116)

Measurement Book

No. B

355017

Serial No. .....

Name of Work ..... Providing And Laying Pipeline in Ward No. 06 Byatarayanapura From ..... Sub division. To .....

Name of Contractor of nature of Agency ..... Sri K.R. Santhosh Kumar.

Date of commencement of work ..... No. 04 Samrudhi A.V.R Block, I^st A main Ghanilakshmi Layout. Vijnapalekha Pura Bangalore - 560097.

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work order No. - BBMP/EE/BTP/WO/17/2019.20						
(1)	Geophysical investigation & site for sinking borewell for supplying drinking water to the habitation either through the hand pump MWS or PWS by vertical electrical sounding by adopting Venner or Schlumberger method including reconnaissance survey & geological formation & geological investigation & existing ground water scenario						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	its quality & acceptability & the users indicating the location & the size recommended depth & the GI pipe required to lead the DP unconsolidated formation including an extra depth 0.1 m or in consolidated rock for proper seating & casing pipe depth & finishing required to cover the depth & required pressure to be tapped Provide speed and other information formation/preparation & in shelving and accessories to work size engaging technical Persons and Cabour required etc..						
	Thanisandra (Near Kanagadamma Temple)	1	1	1	—	1 No.	
	Rate. 1696 : 15						1696 : 15

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

355018

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(2) Sinking of borewell of 165mm dia cleaning bore by high hydraulic jet of capacity 200 PSI & above 900 CMF and above in all strata including over burden upto 20 mtr depth of casing PVC pipe coering and cap with necessary cutting threading and welding including providing & fixing and lowering vertical guide angles and cap fasten etc - complete including well testing time bound depth upto minimum working of compressor for one hour including cap of casing pipe & coering cap etc - complete) ..						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	Thamisandra. Near Kanagadamma Temple	3	4	5	6	7	8
	0.00 to 50.00 MW	1	50.00	-	-	50.00 MW	
	Rate. 275:78						13789:00
(3)	50.00 to 100.00 MW	1	50.00	-	-	50.00 MW	
	Rate. 360:50						18025:00
(4)	100.00 to 150.00 MW	1	50.00	-	-	50.00 MW	
	Rate. 401:06						20053:00
(5)	150.00 to 200.00 MW	1	50.00	-	-	50.00 MW	
	Rate - 423:59						21179:00

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

355019

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(6)	200.00 to 250.00 MBr Rate - 490 : 28	1	50.00	-	-	50.00 MBr	24514 : 00
(7)	250.00 to 300.00 MBr Rate - 525 : 43	1	50.00	-	-	50.00 MBr	26271 : 00
(8)	300.00 to 320.00 MBr Rate - 544 : 25	1	18.00	-	-	18.00 MBr	9796 : 00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(9) Supplying & ISI mark 175mm black ERW casing pipe & 5mm thick electric resistance continuous welded middle steel tube material conforming to IS 1387/1993 and manufactured from hot rolled steel steel strips in tandem coupled & 4 to 7 mtr long with ends threaded conforming to IS 554/1985 one end including & all taxes. Thamisandra. (Near Karagadamma Temple) Rate - 1194 = 16	56-00	—	—	56-00	MBV 66872 = 96
	(10) Providing and fixing 250 mm dia pvc pipe and as per specification and direction.						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

355020

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Rate - 991:38	1	10.00	–	–	10.00 M RT	9913:88
(11)	175 mm dia MS casing CaP.	1	–	–	–	1 NO.	90:13
	Rate - 90:13						
(12)	MS Casing Pipe covering C class.	9	–	–	–	9 NOS	1216:71
	Rate - 135:19						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(13)	Supply and delivery of size brand new Texmo monoblock/Lubi/Sagar/Atlanta/Calamal/Kirloskar Padma make centrifugal pumpset of size 50mm x 50mm x 200mm installation in 100 dia borewell comprising of 5HP three phase oil filled submersible motor and 50mm dia 4 core flat cable complete with suitable size MS clamps and accessories including providing and fixing of 50mm dia GI delivery rising main pipe with necessary bends, socket, nipples, reducer, etc complete as per direction of Engineer in charge for operation of 3HP power supply from existing DP with necessary fuse, MCB, etc complete as per direction of Engineer in charge including providing and fixing of earthing complete as per IS standard and as						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 355021

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Return walls wales etc. complete including cement mortar 1:3 including all leads and lifts complete as per direction of Engineer in charge. Thanisandra (Near Kasaba Amma Temple) Rate - 63110 = 25	1	—	—	—	1 no.	63110 : 25
(14)	Providing laying and jointing CI pipes conforming to IS specification & approved make with specials such as bends sluice valves, tees, reducers, collars, sockets etc. as required complete including lead and yarn						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and thereby servicing connection including all cost and etc. complete as per directions Thanisandra. (Near Karagadamma Temple)	50	6.00	—	—	300.00	MBR 7346.00
	Rate - 244:70						
(15)	Providing and Fixing	50	Heavy duty			Covers 50 Nos	6759:00
	Rate - 135:19						
(16)	Supplying and Drawing Pump Cable manufactured	3 Core		WM	PVC Electrolytic	Sheated Submersible	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

355022

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	With flexible copper Conductors Conforming to Class 5 of IS 8130-1984 and unsheathed Service for working voltage upto 1100 Volts Nominal cross section 0.50 sq mm dia. Thanisandra. (Near Kariyamma Temple)	1	610.00	—	—	610.00 Mtr	100717:10
	Page: 165:11						
(7)	Supplying and delivery at site Brand New (Essential Class Sunsmeg / Advanced / Like Conductors Best Indigenous						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Make Connection energy meter Control Panel board unit of size 1200 x 500 x 300 mm minimum mechanical fixing and wiring and meter Prong for operation on 3 Ph 4 wire 380 V including Fixing loaded Later testing with a key and Shandse provided with door Complying and following relevant standard Shandse provided with energy meter suitable for operation on 3 Ph 4 wire 380 V AC Supply Shandse Consumed ese - Connection Panel board for Supply purpose about Components Panel Board						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 355023

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	For Providing Pumpset above 6.50 HP to 15.00 HP with Star Delta Starter (MR). Thanisandra. Near Karagadamma Temple 1	—	—	—		1 no.	12950.00
	Rate. 12950.00						
(18)	Fabricating Supplying and Mounting MS Door & Grill Bridge for Floor Wall Mounting Swing with Provision for better rear weather						Weather Proof Proof work

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Provision for Supply, Laying, Testing and Commissioning of HDPE Pipe Line for Water Supply Scheme to Thanisandra (Near Parvathamma Temple)	1	1100.00	20.00	-	22000.00 Sqm	
	Rate - 0:30						6600:00

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 355024

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(19)	Providing and fixing G clamps GI set and Gunmetal CAP to the Pump (MR).	1 ✓	–	–	–	1 No.	
	Rate - 603:75						603:75
(20)	Supplying and delivering 8 Grand new GI set mace non return valve of size 50 mm as per IS 778/84 with latest amendments in 18 metre (100 mm Class wheel valve)						
	Rate - 889:83	1 x 3	–	–	–	3 Nos	2669:49

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(21) 6/6/22	Supplying and delivering 3 Nos new Gate Valve 80mm as per IS 778/84 with latest amendments with IS1 mark (80mm Gate wheel valve).	1 x 3	-	-	-	3 Nos	
	Rate · 1223 : 82						3670 : 56
(22)	Labour charges for removing & new removed Submersible pump set along with GI pipes (32/80mm size new submersible pumpsets shall be handed over to department) including transportation each (with 6.00 km)						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 355025

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		45	-	-	-	45 Cusecs	
	Page. 79:31						3568:95
(23)	Erection & Commissioned Panel board Wall mounting metrical and Cabinet including providing CC 1:3:6 foundation bedding. Complete for Laboratory Power						
		1	—	—	—	1 no.	
	Page. 415:63						415:63

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(24)	Supplying and fixing miniature circuit Breakers in existing MCB distribution board using necessary fixing materials and carried compleate as required no to 63 Amps DP.	1	–	–	–	1 No.	
	Rate 793:10						793:10
(25)	Supplying and fixing 2 pole Cain fuse channel with cut outs on existing wooden/Panel ship necessary nuts bolts and washers etc. complete.	1×3	–	–	–	3 nos	393:75
	Rate. 131:25						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

355026

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(26)	Supplying and laying 2 Nos 4 Core having aluminium conductors pre insulated Stranded galvanized Steel tape armoured cable with PVC outer sheating 1.1 kV class 4 Core 16 Sqmm cable (Conforming to IS 1554) Thanisandra. (Near Karagadamma Temple) Rate: 148:71	1	× 34.00	—	—	34.00 Mtr	5056:14
(27)	Digging of trenches of 0.6 mm × 0.90 Mtr wide regid the trench to the required ground level and Consolidating						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	ese.- Compleze Supplying Road Sentence.						
		1	34.00	-	-	34.00 M/sr	
	Page - 49:07						1685:38
(28)	Supplying and fixing Class A GI Pipe on Pole/wall Drain Crossing with necessary clamping arrangement for 11A Cable 8 1-1 KV Class complete.						
		1	3.00	-	-	3.00 M/sr	
14/6/19	Page - 257:76						773:28

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 355027

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(29)	Supplying and fixing wiring consisting of casing capping conduits PVC bends and other accessories on the meter board using 40 mm dia 2.90 mm thick GI pipes 2.00 mtr long buried in a pit and charcoal 150 mm above the pipe to complete the connection from the pipe to the conduit etc.. complete to be ascertained through GI wire of size as per IS1 specification using 12 mm dia G.I. nuts washers and cutting nuts etc. the pipe shall be through holes & 12 mm dia.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	-	-	-	1 No.	
	Rate · 1487 : 06						1487 : 06
(30)	Supply and fixing L T cast iron pot heads Suitable for 1·1 kV classes 16 Sq mm with cable gland with necessary fixtures insulating Compound Copper non terminals Clamps bolts nuts and washers.						
		1	-	-	-	1 No.	
	Rate · 237 : 93						237 : 93
(31)	Providing and fixing Brass metal Gate conforming to IS specification of approved make						wheel Valve

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

355028

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	as per direction including all cost and labour ese.. Compress 50 mm dia.	1 x 3	-	-	-	3 nos	
	Rate. 680:79						2042:37
(32)	Supplying and fixing 8 Polished wood board made of not less than 15 mm thick planks on both sides of which are made out of not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	ese.. size 20 x 20 x 2.5 inches.	1	-	-	-	1 no.	
	Base. 272:63						272:63
(33)	Earthwork excavation for foundation & Building Water Supply Sanitary lines and electrical conduits in pits or in trenches 1.50 mtr and above in width in sand soil not exceeding 1.50 mtr in depth including dressing the bottom and sides of pits and trenches Stacking the excavated soil clear from edges & excavation as directed up to 50 mtr ele comp

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 355029

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	As per Pre-measurement recorded vide Page No. 355070 to 355074					in this MB. 904.50 M^3	250835 : 24
	Rate · 277 : 32						
34	Providing and installing as per site & work 63 mm (0.662 Pre Pipes & 6 kg/cm² including cost & Pipes as per site and lesser including lowering up into trenches laying true to line level and Pressed testing as per site cond						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Providing including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. Complete						
	As per Pre-measurements recorded vide Page No.. 355075 to 355079 in this MB.					2010.00 Mtr	
	Page. 345:03.						693510:30
(35)	Providing available earth around pipe in layers not exceeding 20cms in depth compacting each deposited layer by ramming						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 355030

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Laser leveling with Land up to 30 m and lift up to 1.00 m including cost & all Lasers complete as per Specification. @ by wide item no. (33)					904.50 m^3	904.50 × 277.32 = 250835.94
	Rate. 277.32 / 100.00						
					Total Rs.		1536718.00
				Add 12% GST		Rs.	184406.00
					Total Rs.		1721124.00

C/FC

25/6/19
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

25/6/2019
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

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MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	certificate.						
	(1) Certified that the above done Satisfactory.						
	(2) Certified that the Amount has not been Claimed in any of previous bills.						
	Borewell Pt.. Thanisandra Karagadamma Temple						
	Nagavara → Rachenahalli						
	Hegade Nagara						

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